

Amendments to the Claims

This listing of claims will replace all prior versions, and listings, of claims in the application.

All claims currently being amended are shown with deleted text struckthrough or double bracketed and new text underlined. Additionally, the status of each claim is indicated in parenthetical expression following the claim number.

Claim 1 is being cancelled.

Claims 2-13 remain.

Claims 2-12 are being amended.

WHAT IS CLAIMED IS:

1. (CANCEL)

2. (Currently Amended)

The system ~~protocol~~ of claim 11 wherein the quality of service enhancements comprise a multimedia control field.

3. (Currently Amended)

The system ~~protocol~~ of claim 11 [2] wherein the multimedia control field comprises a frame position sub-field, a stream index sub-field, a basic service set session identification sub-field and a time stamp subfield.

4. (Currently Amended)

The interface ~~protocol~~ of claim 10 wherein the quality of service enhancements further comprise a capability information field.

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5. (Currently Amended) The interface protocol of claim 10 wherein the quality of service enhancements further comprise a forward error correction based on Reed Soloman coding.

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6. (Currently Amended) The interface protocol of claim 10 wherein the quality of service enhancements further comprise a retransmission mechanism to improve the efficiency of multimedia data stream transmissions.

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7. (Currently Amended) The interface protocol of claim 10 wherein the quality of service enhancements comprise a multimedia type definition in a medium access control header frame.

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8. (Currently Amended) The interface protocol of claim 7 wherein the multimedia type is indicated within a frame control field.

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9. (Currently Amended) The interface protocol of claim 8 wherein the multimedia type is indicated by setting to logic high both bites of a two bite sub-field within the frame control field.

Sub B 7
10. (Currently Amended) An interface between a wireless network component and the wireless medium, the interface communicating multimedia data streams as defined by a networking protocol that includes definitions of quality of service enhancements to provide reliable communications of said multimedia data systems, the quality of service enhancements comprising a multimedia control field within a media access control frame and including a frame position sub-field, a stream index sub-field,


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a basic service set session identification sub-field and a time stamp sub-field.

11. (Currently Amended) A system comprising an[d] interface wherein the interface communicates multimedia data streams as defined by a networking protocol that includes definitions of quality of service enhancements to provide reliable communications of said multimedia data streams, the quality of service enhancements including a capability information field within a multimedia control frame.

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12. (Currently Amended) A machine-readable medium that provides instructions, which when executed by a machine, cause said machine to implement a networking protocol defining quality of service enhancements to provide reliable multimedia data stream connections in a wireless computer network, the quality of service enhancements streams including a capability information field within a multimedia control frame and forward error correction based on Reed Soloman coding.

13. (Original) The machine-readable medium of claim 12 wherein the instructions comprise one or more of the following commands:

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Null Command, Restart All Stream Connections, Restart All Stream Connections Ack, Stream Connection Request, Stream Connection Accept, Stream Connection Negotiate, Stream Connection Reject, Stream Connection Complete, Stream Disconnect, Stream Disconnect Ack, Stream Authorization Permission Request, Stream Authorization Grant, Stream Authorization Reject, Dynamic Bandwidth Management (DBM), Dynamic Bandwidth Request (DB-Req), Dynamic Bandwidth Request Ack (DB-Req-Ack), Dynamic Bandwidth Grant (DB-Grant), Dynamic Bandwidth Grant Ack (DB-Grant-Ack), Remain Quiet and Remain Quiet Ack, Change Channel and Change Channel Ack, Channel status, PC Redundancy, PCR Negotiation, PCR Pullout, APC

 Assuming PC Responsibility, PPC Service Request, PPC Provider Request, PPC Service for Subnet Connection, PPC Permission Grant, PPC Permission Ack, PPC Permission Reject, PPC Service Break, PPC Service Break Ack, PPC-OSB Provider Request, PPC-OSB Provider Accept, PPC-OSB Provider Reject, PPC-OSB Provider Ack, PPC-OSB-Tunneling, PPC-OSB Relieve Request, PPC-OSB Relieve Request Ack, Overlapping Subnet Bandwidth Negotiation, Overlapped Subnet Bandwidth Request (OSB-Req), Overlapped Subnet Bandwidth Request Ack (OSB-Req-Ack), Overlapped Subnet Bandwidth Grant (OSB-Grant), Overlapped Subnet Bandwidth Ack (OSB-Ack), Master coordinator Relieve Request, Master coordinator Relieve Request Ack, BSS-SID Allocation, Retransmission Request, Retransmission Fail, Retransmission Fail Ack, Retransmission Resync, and Retransmission Resync Ack.
